IN THE CLAIMS:

- 1. (Currently Amended) A method of secure session management and authentication between a web site and a web client, said web site having secure and non-secure web pages, said method comprising the steps of:
- [[a)]] utilizing a non-secure communication protocol and a session cookie when said web client requests access to said non-secure web pages; and
- [[b)]] utilizing a secure communication protocol and <u>creating</u> an authode cookie when said web client requests access to said secure web pages, so that utilizations of said authode cookie are interspersed between utilizations of said session cookie[[,]]; and at least some utilizations of said session cookie take place after utilizations of said authode cookie.

using said authcode only for allowing said web client to access secure web pages; and

following creation of said authcode cookie, using said session cookie to access specified non-secure web pages, without first requiring use of said authcode cookie in order to access said specified non-secure web pages.

- 2. (Currently Amended) The method of claim 1, wherein said method also comprises the steps of:
- [[c)]] requesting said session cookie from said web client whenever said web client requests access to said non-secure web pages and verifying said requested session cookie; and
- [[d)]] requesting said authcode cookie from said web client whenever said web client requests access to said secure web pages and verifying said requested authcode cookie.
- 3. (Previously Presented) The method of claim 2, wherein said method comprises repeatedly alternating between said secure communication protocol and said non-secure communication protocol when said web client alternates requests for access to said secure web pages and said non-secure web pages,

respectively, and also repeatedly alternating between said utilizations of said authoode and said utilizations of said session code.

- 4. (Original) The method of claim 3, wherein said alternating between said secure communication protocol and said non-secure communication protocol is facilitated by a table which keeps track of said non-secure web pages and said secure web pages.
- 5. (Original) The method of claim 4, wherein said web site uses said table to direct said web client to use said secure communication protocol or said non-secure communication protocol depending on whether said web client requests access to said non-secure web pages or said secure web pages.
- 6. (Original) The method of claim 6, wherein said method also comprises allowing said web client to be a guest client or a registered client.
- 7. (Original) The method of claim 6, wherein said method also comprises creating stored information including data contained in said session cookie, data contained in said authoode cookie and data about said web client.
- 8. (Original) The method of claim 7, wherein said session cookie includes a pointer and an encrypted portion, said pointer pointing to said stored information, said encrypted portion having a random portion and a date portion.
- (Original) The method of claim 7, wherein said authoode cookie includes an encrypted portion, said encrypted portion having a random portion and a date portion.
- 10. (Original) The method of claim 8, wherein verifying said requested session cookie from said web client includes using said stored information to

generate a second session cookie and comparing said second session cookie to said session cookie requested from said web client.

- 11. (Original) The method of claim 9, wherein verifying said requested authode cookie from said web client includes using said stored information to generate a second authode cookie and comparing said second authode cookie to said authode cookie requested from said web client.
- 12. (Previously Presented) A system, for secure session management and authentication between a web site and a web client, said system comprising a web server, a web client and a communication channel, said web server coupled to said web client via said communication channel, said web server baving a web site, said web site including:
 - a) secure and non-secure web pages;
- b) a non-secure communication protocol and a session cookie that is used for allowing said web client access to each one of said non-secure web pages; and
- c) a secure communication protocol and an authoode cookie that is used for allowing said web client access only to said secure web pages.
- 13. (Original) The system of claim 12, wherein said web site also includes:
- d) verification means for verifying said session cookie when said session cookie is requested from said web client; and
- e) verification means for verifying said authoode cookie when said authoode cookie is requested from said web client.
- 14. (Original) The system of claim 13, wherein said web server further comprises a security alternating means for alternating between said secure communication protocol and said non-secure communication protocol.

- 15. (Original) The system of claim 14, wherein said web server further comprises a table to keep track of said non-secure web pages and said secure web pages.
- 16. (Original) The system of claim 13, wherein said web site includes access means to allow said web client to access said web site as a guest client or a registered client.
- 17. (Original) The system of claim 16, wherein said web system has storage means for containing stored information about said web client, data contained in said session cookie and data contained in said authoode cookie.
- 18. (Original) The system of claim 17, wherein said session cookie includes a pointer and an encrypted portion, said pointer pointing to said stored information, said encrypted portion having a random portion and a date portion.
- 19. (Original) The system of claim 17, wherein said authcode cookie includes an encrypted portion, said encrypted portion having a random portion and a date portion.
- 20. (Currently Amended) A computer program embodied on a computer readable medium, said computer program providing for secure session management and authentication between a web site and a web client, said web site having secure and non-secure web pages, said computer program adapted to:
- [[a]]] use a non-secure communication protocol and a session cookie when said web client requests access to said non-secure web pages; and
- [[b)]] use a secure communication protocol and an authorde cookie whenever said web client requests access to said secure web pages[[.]]; and

use said authcode cookie only for allowing said web client to access secure web pages.

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- 21. (Currently Amended) The computer program of claim 20, wherein said computer program is further adapted to:
- [[c)]] request said session cookie from said web client when said web client requests access to said non-secure web pages and to verify said requested session cookie; and
- [[d)] request said authorde cookie from said web client when said web client requests access to said secure web pages and to verify said requested authorde cookie.
- 22. (Original) The computer program of claim 21, wherein said computer program is further adapted to alternate between said secure communication protocol and said non-secure communication protocol when said web client alternates requests for access to said secure web pages and said non-secure web pages.
- 23. (Original) The computer program of claim 22, wherein said alternating between said secure communication protocol and said non-secure communication protocol is facilitated by a table which keeps track of said non-secure web pages and said secure web pages.
- 24. (Original) The computer program of claim 23, wherein said computer program uses said table to direct said web client to use said secure communication protocol or said non-secure communication protocol depending on whether said web client requests access to said non-secure web pages or said secure web pages.
- 25. (Original) The computer program of claim 22, wherein said computer program is adapted to allow said web client to be a guest client or a registered client.

- 26. (Original) The computer program of claim 25, wherein said computer program is adapted to create stored information including data contained in said session cookie, data contained in said authcode cookie and data about said web client.
- 27. (Original) The computer program of claim 26, wherein said session cookie includes a pointer and an encrypted portion, said pointer pointing to said stored information, said encrypted portion having a random portion and a date portion.
- 28. (Original) The computer program of claim 26, wherein said authcode cookie includes an encrypted portion, said encrypted portion having a random portion and a date portion.
- 29. (Original) The computer program of claim 27, wherein verifying said requested session cookie from said web client includes using said stored information to generate a second session cookie and comparing said second session cookie to said session cookie requested from said web client.
- 30. (Original) The computer program of claim 28, wherein verifying said requested authoode cookie from said web client includes using said stored information to generate a second authoode cookie and comparing said second authoode cookie to said authoode cookie requested from said web client.
- 31. (Currently Amended) The computer program of Claim 20, wherein said computer program is adapted for creating a NAME attribute in a session cookie by:
 - a) generating a user id;
 - b) generating a session_string;
 - c) generating a session_timestamp;

- d) appending said session_timestamp to said session_string to create an intermediate value;
- e) applying a one way hash function to said intermediate value to create a final value; and
 - f) storing said final value in said NAME attribute.
- 32. (Canceled)
- 33. (Previously Presented) The computer program of Claim 20, wherein said computer program is adapted to create a NAME attribute in an authorde cookie by:
 - a) generating an authcode;
 - b) generating an authcode timestamp;
- c) appending said authcode_timestamp to said authcode to create an intermediate value;
- d) applying a one way hash function to said intermediate value to create a final value; and
 - e) storing said final value in said NAME attribute.
- 34. (Canceled)